

Yves Gnanou

List of Publications by Year in descending order

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188
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10,426
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30070

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#	ARTICLE	IF	CITATIONS
1	N-Heterocyclic carbenes (NHCs) as organocatalysts and structural components in metal-free polymer synthesis. <i>Chemical Society Reviews</i> , 2013, 42, 2142.	38.1	473
2	Kinetics and Mechanism of Controlled Free-Radical Polymerization of Styrene and n-Butyl Acrylate in the Presence of an Acyclic Î²-Phosphonylated Nitroxide. <i>Journal of the American Chemical Society</i> , 2000, 122, 5929-5939.	13.7	397
3	Water-Soluble Stimuli-Responsive Vesicles from Peptide-Based Diblock Copolymers. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1339-1343.	13.8	377
4	<i>50th Anniversary Perspective</i>: Polymers with Complex Architectures. <i>Macromolecules</i> , 2017, 50, 1253-1290.	4.8	311
5	Atom Transfer Radical Polymerization of Styrene Using a Novel Octafunctional Initiator: Synthesis of Well-Defined Polystyrene Stars. <i>Macromolecules</i> , 1998, 31, 7218-7225.	4.8	310
6	Metal-Free Alternating Copolymerization of CO ₂ with Epoxides: Fulfilling "Green" Synthesis and Activity. <i>Journal of the American Chemical Society</i> , 2016, 138, 11117-11120.	13.7	246
7	Amphiphilic Stars and Dendrimer-Like Architectures Based on Poly(Ethylene Oxide) and Polystyrene. <i>Macromolecules</i> , 2000, 33, 5418-5426.	4.8	223
8	Acyclic Î²-Phosphonylated Nitroxides: A New Series of Counter-Radicals for "Living" Controlled Free Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 1141-1147.	4.8	202
9	Synthesis by RAFT and Ionic Responsiveness of Double Hydrophilic Block Copolymers Based on Ionic Liquid Monomer Units. <i>Macromolecules</i> , 2008, 41, 6299-6308.	4.8	185
10	Novel Amphiphilic Architectures by Ring-Opening Metathesis Polymerization of Macromonomers. <i>Macromolecules</i> , 1997, 30, 4791-4798.	4.8	180
11	Structure of Polypeptide-Based Diblock Copolymers in Solution: Stimuli-Responsive Vesicles and Micelles. <i>Langmuir</i> , 2005, 21, 4308-4315.	3.5	178
12	N-Heterocyclic Carbene-Induced Zwitterionic Ring-Opening Polymerization of Ethylene Oxide and Direct Synthesis of Î±,Î²-Difunctionalized Poly(ethylene oxide)s and Poly(ethylene Terephthalate) (PET) (oxide). <i>Macromolecules</i> , 2011, 44, 131, 3201-3209.	13.7	164
13	Imidazol(in)ium Hydrogen Carbonates as a Genuine Source of <i>N</i>-Heterocyclic Carbenes (NHCs): Applications to the Facile Preparation of NHC Metal Complexes and to NHC-Organocatalyzed Molecular and Macromolecular Syntheses. <i>Journal of the American Chemical Society</i> , 2012, 134, 6776-6784.	13.7	164
14	Synthesis and Surface Properties of Amphiphilic Star-Shaped and Dendrimer-like Copolymers Based on Polystyrene Core and Poly(ethylene oxide) Corona. <i>Macromolecules</i> , 2003, 36, 8253-8259.	4.8	146
15	Synthesis of Water-Soluble Star-Block and Dendrimer-like Copolymers Based on Poly(ethylene oxide) and Poly(acrylic acid). <i>Macromolecules</i> , 2003, 36, 3874-3881.	4.8	144
16	Synthesis of Î±-Norborenylpoly(ethylene oxide) Macromonomers and Their Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 1996, 29, 4459-4464.	4.8	139
17	Poly(<i>N</i>-heterocyclic-carbene)s and their CO ₂ Adducts as Recyclable Polymer-Supported Organocatalysts for Benzoin Condensation and Transesterification Reactions. <i>Macromolecules</i> , 2011, 44, 1900-1908.	4.8	135
18	Rheological characterization of the gel point: a new interpretation. <i>Macromolecules</i> , 1991, 24, 1321-1326.	4.8	131

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19	Harnessing the Potential of N-heterocyclic Carbenes for the Rejuvenation of Group-Transfer Polymerization of (Meth)Acrylics. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5390-5393.	13.8	128
20	Dendrimer-like PEO Glycopolymers Exhibit Anti-Inflammatory Properties. <i>Journal of the American Chemical Society</i> , 2005, 127, 10132-10133.	13.7	127
21	Toward an Easy Access to Dendrimer-like Poly(ethylene oxide)s. <i>Journal of the American Chemical Society</i> , 2005, 127, 10956-10966.	13.7	127
22	Toward an Easy Access to Asymmetric Stars and Miktoarm Stars by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2002, 35, 9001-9008.	4.8	108
23	Group Transfer Polymerization of (Meth)acrylic Monomers Catalyzed by N-Heterocyclic Carbenes and Synthesis of All Acrylic Block Copolymers: Evidence for an Associative Mechanism. <i>Macromolecules</i> , 2009, 42, 5996-6005.	4.8	108
24	Scope of the Copper Halide/Bipyridyl System Associated with Calixarene-Based Multihalides for the Synthesis of Well-Defined Polystyrene and Poly(meth)acrylate Stars. <i>Macromolecules</i> , 2000, 33, 7261-7274.	4.8	103
25	pH Responsiveness of Dendrimer-like Poly(ethylene oxide)s. <i>Journal of the American Chemical Society</i> , 2006, 128, 11551-11562.	13.7	100
26	Using UCST Ionic Liquid as a Draw Solute in Forward Osmosis to Treat High-Salinity Water. <i>Environmental Science & Technology</i> , 2016, 50, 1039-1045.	10.0	99
27	Metal-free and solvent-free access to β -heterodifunctionalized poly(propylene oxide)s by N-heterocyclic carbene-induced ring opening polymerization. <i>Chemical Communications</i> , 2010, 46, 3203.	4.1	97
28	Polymeric Vesicles and Micelles Obtained by Self-Assembly of Ionic Liquid-Based Block Copolymers Triggered by Anion or Solvent Exchange. <i>Macromolecules</i> , 2009, 42, 5167-5174.	4.8	94
29	Synthesis of Dendrimer-Like Polystyrene by Atom Transfer Radical Polymerization and Investigation of Their Viscosity Behavior. <i>Macromolecules</i> , 2005, 38, 3120-3128.	4.8	92
30	Effect of phenol and derivatives on atom transfer radical polymerization in the presence of air. <i>Journal of Polymer Science Part A</i> , 2004, 42, 351-359.	2.3	90
31	Micelles and Polymersomes Obtained by Self-Assembly of Dextran and Polystyrene Based Block Copolymers. <i>Biomacromolecules</i> , 2009, 10, 32-40.	5.4	89
32	Controlled Radical Polymerization of N-Vinylpyrrolidone by Reversible Addition-Fragmentation Chain Transfer Process. <i>Macromolecular Symposia</i> , 2005, 229, 8-17.	0.7	86
33	Synthesis and Characterization of Linear, Hyperbranched, and Dendrimer-Like Polymers Constituted of the Same Repeating Unit. <i>Chemistry - A European Journal</i> , 2001, 7, 3095-3105.	3.3	84
34	Synthesis of star-shaped poly(ethylene oxide). <i>Die Makromolekulare Chemie</i> , 1988, 189, 2885-2892.	1.1	83
35	Nanosized Amorphous Calcium Carbonate Stabilized by Poly(ethylene oxide)-b-poly(acrylic acid) Block Copolymers. <i>Langmuir</i> , 2006, 22, 1875-1879.	3.5	81
36	A σ -Catalyst Switch-Strategy for the Sequential Metal-Free Polymerization of Epoxides and Cyclic Esters/Carbonate. <i>Macromolecules</i> , 2014, 47, 3814-3822.	4.8	81

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37	Janus-Type Dendrimer-like Poly(ethylene oxide)s. <i>Journal of the American Chemical Society</i> , 2008, 130, 11662-11676.	13.7	80
38	Synthesis of Multifunctional Dithioesters Using Tetraphosphorus Decasulfide and Their Behavior as RAFT Agents. <i>Macromolecules</i> , 2004, 37, 5513-5519.	4.8	79
39	<i>N</i> -Heterocyclic Carbene-Organocatalyzed Ring-Opening Polymerization of Ethylene Oxide in the Presence of Alcohols or Trimethylsilyl Nucleophiles as Chain Moderators for the Synthesis of β -Heterodifunctionalized Poly(ethylene oxide)s. <i>Macromolecules</i> , 2010, 43, 2814-2823.	4.8	79
40	Hydrophilic polyurethane networks based on poly(ethylene oxide): synthesis, characterization, and properties. Potential applications as biomaterials. <i>Macromolecules</i> , 1984, 17, 945-952.	4.8	74
41	Sequential polymerization of ethylene oxide, ϵ -caprolactone and <i>l</i> -lactide: a one-pot metal-free route to tri- and pentablock terpolymers. <i>Polymer Chemistry</i> , 2014, 5, 3750-3753.	3.9	72
42	Phosphazene-Promoted Metal-Free Ring-Opening Polymerization of Ethylene Oxide Initiated by Carboxylic Acid. <i>Macromolecules</i> , 2014, 47, 1693-1698.	4.8	71
43	Synthesis of hybrid dendrimer-star polymers by the RAFT process. <i>Chemical Communications</i> , 2004, , 2110-2111.	4.1	69
44	Dendrimer-like polymers: a new class of structurally precise dendrimers with macromolecular generations. <i>New Journal of Chemistry</i> , 2007, 31, 1097.	2.8	69
45	From star-shaped to dendritic poly(ethylene oxide)s: Toward increasingly branched architectures by anionic polymerization. <i>Macromolecular Symposia</i> , 1995, 95, 137-150.	0.7	68
46	Molecular structure and elastic behavior of poly(ethylene oxide) networks swollen to equilibrium. <i>Macromolecules</i> , 1987, 20, 1662-1671.	4.8	67
47	Carboxylate Salts as Ideal Initiators for the Metal-Free Copolymerization of CO ₂ with Epoxides: Synthesis of Well-Defined Polycarbonates Diols and Polyols. <i>Macromolecules</i> , 2019, 52, 2431-2438.	4.8	65
48	Expanding the Scope of Group Transfer Polymerization Using <i>N</i> -Heterocyclic Carbenes as Catalysts: Application to Miscellaneous (Meth)acrylic Monomers and Kinetic Investigations. <i>Macromolecules</i> , 2010, 43, 8853-8861.	4.8	64
49	No matter the order of monomer addition for the synthesis of well-defined block copolymers by sequential group transfer polymerization using <i>N</i> -heterocyclic carbenes as catalysts. <i>Polymer Chemistry</i> , 2011, 2, 1706.	3.9	61
50	Theoretical Mechanistic Investigation into Metal-Free Alternating Copolymerization of CO ₂ and Epoxides: The Key Role of Triethylborane. <i>Macromolecules</i> , 2018, 51, 5600-5607.	4.8	61
51	Polymerization of ethylene oxide with a calixarene-based precursor: Synthesis of eight-arm poly(ethylene oxide) stars by the core-first methodology. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1669-1676.	2.3	60
52	Controlled polymerizations as tools for the design of star-like and dendrimer-like polymers. <i>Polymer International</i> , 2006, 55, 1138-1145.	3.1	58
53	Organocatalysis by hydrogen-bonding: a new approach to controlled/living polymerization of β -amino acid <i>N</i> -carboxyanhydrides. <i>Polymer Chemistry</i> , 2015, 6, 6193-6201.	3.9	58
54	Direct access to poly(glycidyl azide) and its copolymers through anionic (co-)polymerization of glycidyl azide. <i>Nature Communications</i> , 2019, 10, 293.	12.8	58

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55	Synthesis and Investigation of Surface Properties of Dendrimer-like Copolymers Based on Polystyrene and Poly(<i>tert</i> -butylacrylate). <i>Macromolecules</i> , 2005, 38, 5459-5467.	4.8	57
56	Monodisperse Polystyrene Latex Particles Functionalized by the Macromonomer Technique. <i>Macromolecules</i> , 1998, 31, 2087-2097.	4.8	55
57	Radical Polymerization of Vinyl Acetate with Bis(tetramethylheptadionato)cobalt(II): Coexistence of Three Different Mechanisms. <i>Chemistry - A European Journal</i> , 2009, 15, 4874-4885.	3.3	55
58	From competition to cooperation: a highly efficient strategy towards well-defined (co)polypeptides. <i>Chemical Communications</i> , 2015, 51, 3663-3666.	4.1	55
59	All-Polycarbonate Thermoplastic Elastomers Based on Triblock Copolymers Derived from Triethylborane-Mediated Sequential Copolymerization of CO ₂ with Various Epoxides. <i>Macromolecules</i> , 2020, 53, 5297-5307.	4.8	55
60	Reaction of Cyclic Tetrathiophosphates with Carboxylic Acids as a Means to Generate Dithioesters and Control Radical Polymerization By RAFT. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2869-2872.	13.8	53
61	Synthesis and Characterization of Poly(styrene- <i>b</i> - <i>n</i> -butyl acrylate- <i>b</i> -styrene) Triblock Copolymers Using a Dialkoxyamine as Initiator. <i>Macromolecules</i> , 2002, 35, 3844-3848.	4.8	51
62	Combination of an Anionic Terminator Multifunctional Initiator and Divergent Carbanionic Polymerization: Application to the Synthesis of Dendrimer-Like Polymers and of Asymmetric and Miktoarm Stars. <i>Journal of the American Chemical Society</i> , 2008, 130, 1350-1361.	13.7	51
63	Fast and Living Ring-Opening Polymerization of β -Amino Acid <i>N</i> -Carboxyanhydrides Triggered by an Alliance of Primary and Secondary Amines at Room Temperature. <i>Biomacromolecules</i> , 2015, 16, 1352-1357.	5.4	51
64	Novel amphiphilic branched copolymers based on polystyrene and poly(ethylene oxide). <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 2501-2510.	2.2	50
65	Core Cross-Linked Multiarm Star Polymers with Aggregation-Induced Emission and Temperature Responsive Fluorescence Characteristics. <i>Macromolecules</i> , 2017, 50, 4217-4226.	4.8	50
66	Synthesis of β -norbornenyl polystyrene macromonomers and their ring-opening metathesis polymerization. <i>Macromolecular Rapid Communications</i> , 1996, 17, 137-142.	3.9	48
67	Polyurethanes from Direct Organocatalytic Copolymerization of <i>p</i> -Tosyl Isocyanate with Epoxides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1593-1598.	13.8	48
68	Triethylborane-Assisted Synthesis of Random and Block Poly(ester-carbonate)s through One-Pot Terpolymerization of Epoxides, CO ₂ , and Cyclic Anhydrides. <i>Macromolecules</i> , 2021, 54, 2711-2719.	4.8	48
69	<i>N</i> -Heterocyclic carbene-catalysed synthesis of polyurethanes. <i>Polymer Chemistry</i> , 2012, 3, 605.	3.9	47
70	Ring-opening polymerization of ϵ -pentadecalactone catalyzed by phosphazene superbases. <i>Polymer Chemistry</i> , 2017, 8, 511-515.	3.9	47
71	AFM Study of Micelle Chaining in Surface Films of Polystyrene-block-Poly(ethylene oxide) Stars at the Air/Water Interface. <i>Langmuir</i> , 2005, 21, 3424-3431.	3.5	46
72	Stars and dendrimer-like architectures by the divergent method using controlled radical polymerization. <i>Macromolecular Symposia</i> , 2001, 174, 333-341.	0.7	45

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73	Latex Particles by Miniemulsion Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2005, 38, 7977-7982.	4.8	45
74	Star Block Copolymers and Hexafluorene Stars via Derivatization of Star-Shaped Polystyrenes. <i>Macromolecules</i> , 1999, 32, 1043-1054.	4.8	44
75	Aggregation and Surface Morphology of a Poly(ethylene oxide)-block-polystyrene Three-Arm Star Polymer at the Air/Water Interface Studied by AFM. <i>Macromolecules</i> , 2002, 35, 6483-6485.	4.8	44
76	Step-Growth Polymerization of Terephthaldehyde Catalyzed by N-Heterocyclic Carbenes. <i>Macromolecules</i> , 2009, 42, 4932-4936.	4.8	44
77	Versatility of Boron-Mediated Coupling Reaction of Oxetanes and Epoxides with CO ₂ : Selective Synthesis of Cyclic Carbonates or Linear Polycarbonates. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13056-13063.	6.7	44
78	Dispersion Ring-Opening Metathesis Polymerization of Norbornene Using PEO-Based Stabilizers. <i>Macromolecules</i> , 2002, 35, 9262-9269.	4.8	43
79	Association of Adhesive Spheres Formed by Hydrophobically End-Capped PEO. 2. Influence of the Alkyl End-Group Length and the Chain Backbone Architecture. <i>Macromolecules</i> , 2003, 36, 1341-1348.	4.8	43
80	Design of PEO-based ruthenium carbene for aqueous metathesis polymerization. Synthesis by the α -macromonomer method and application in the miniemulsion metathesis polymerization of norbornene. <i>Journal of Polymer Science Part A</i> , 2006, 44, 2784-2793.	2.3	43
81	In situ mid-IR and UV-visible spectroscopies applied to the determination of kinetic parameters in the anionic copolymerization of styrene and isoprene. <i>Polymer</i> , 2009, 50, 1351-1357.	3.8	43
82	Phosphazene-promoted anionic polymerization. <i>Polimery</i> , 2014, 59, 49-59.	0.7	43
83	Newly Designed Star-Shaped Polystyrene: Synthesis and Characterization. <i>Macromolecules</i> , 1998, 31, 6748-6755.	4.8	42
84	Synthesis of Stars and Starlike Block Copolymers from a Trialkoxyamine Used as Initiator. <i>Macromolecules</i> , 2002, 35, 2481-2486.	4.8	42
85	Monomodal Ultrahigh-Molar-Mass Polycarbonate Homopolymers and Diblock Copolymers by Anionic Copolymerization of Epoxides with CO ₂ . <i>ACS Macro Letters</i> , 2019, 8, 1594-1598.	4.8	42
86	Polystyrene-block-Poly(ethylene oxide) Stars as Surface Films at the Air/Water Interface. <i>Langmuir</i> , 2005, 21, 7380-7389.	3.5	40
87	Poly(vinylidene fluoride)-based complex macromolecular architectures: From synthesis to properties and applications. <i>Progress in Polymer Science</i> , 2020, 104, 101231.	24.7	40
88	Polystyrene-b-Poly(tert-butyl acrylate) and Polystyrene-b-Poly(acrylic acid) Dendrimer-Like Copolymers: A Two-Dimensional Self-Assembly at the Air-Water Interface. <i>Langmuir</i> , 2007, 23, 2531-2538.	3.5	39
89	Synthesis of functionalized multiarm poly(ethylene oxide) stars. <i>Polymer</i> , 2003, 44, 5067-5074.	3.8	38
90	Poly(urethane-carbonate)s from Carbon Dioxide. <i>Macromolecules</i> , 2017, 50, 2320-2328.	4.8	38

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91	Well-Defined Polyethylene-Based Random, Block, and Bilayered Molecular Brushes. <i>Macromolecules</i> , 2015, 48, 3556-3562.	4.8	37
92	Novel Gemini-Type Reactive Dispersants Based on PS/PEO Block Copolymers: Synthesis and Application. <i>Macromolecules</i> , 2001, 34, 4451-4458.	4.8	36
93	Interfacial Behavior of Anionically Synthesized Amphiphilic Star Block Copolymers Based on Polybutadiene and Poly(ethylene oxide) at the Air/Water Interface. <i>Macromolecules</i> , 2005, 38, 7754-7767.	4.8	35
94	New insight into the mechanism of the reaction between α,β -unsaturated carbonyl compounds and triethylborane (Brown's reaction). <i>Tetrahedron Letters</i> , 2000, 41, 1195-1198.	1.4	34
95	Fast Access to Dendrimer-like Poly(ethylene oxide)s through Anionic Ring-Opening Polymerization of Ethylene Oxide and Use of Nonprotected Glycidol as Branching Agent. <i>Macromolecules</i> , 2009, 42, 7292-7298.	4.8	34
96	Well-defined polyethylene molecular brushes by polyhomologation and ring opening metathesis polymerization. <i>Polymer Chemistry</i> , 2014, 5, 6431-6434.	3.9	34
97	Fast and Complete Neutralization of Thiocarbonylthio Compounds Using Trialkylborane and Oxygen: Application to Their Removal from RAFT-Synthesized Polymers. <i>ACS Macro Letters</i> , 2019, 8, 664-669.	4.8	33
98	Anionic polymerization of lactams in the presence of metal dialkoxyaluminum hydrides: presentation of a new mechanism. <i>Macromolecules</i> , 1992, 25, 2004-2016.	4.8	32
99	Bicompartmentalized Polymer Particles by Tandem ROMP and ATRP in Miniemulsion. <i>Macromolecules</i> , 2008, 41, 3015-3022.	4.8	31
100	Anionic polymerization and polyhomologation: an ideal combination to synthesize polyethylene-based block copolymers. <i>Chemical Communications</i> , 2013, 49, 8952.	4.1	31
101	One-pot synthesis of linear and three-arm star-tetrablock quarterpolymers via sequential metal-free ring-opening polymerization using a catalyst switch strategy. <i>Journal of Polymer Science Part A</i> , 2015, 53, 304-312.	2.3	31
102	Cs_2CO_3 -promoted polycondensation of CO_2 with diols and dihalides for the synthesis of miscellaneous polycarbonates. <i>Polymer Chemistry</i> , 2016, 7, 4944-4952.	3.9	31
103	Degradable poly(ethylene oxide) through metal-free copolymerization of ethylene oxide with ϵ -lactide. <i>Polymer Chemistry</i> , 2019, 10, 3764-3771.	3.9	31
104	Block Copolymers of Macrolactones/Small Lactones by a Catalyst-Switch Organocatalytic Strategy. Thermal Properties and Phase Behavior. <i>Macromolecules</i> , 2018, 51, 2428-2436.	4.8	30
105	Recycling a Borate Complex for Synthesis of Polycarbonate Polyols: Towards an Environmentally Friendly and Cost-Effective Process. <i>ChemSusChem</i> , 2020, 13, 5080-5087.	6.8	30
106	Synthesis and Characterization of C60-End-Capped Poly(ethylene oxide) Stars. <i>Macromolecules</i> , 1998, 31, 6030-6033.	4.8	29
107	Synthesis of latex particles by ring-opening metathesis polymerization. <i>Polymer</i> , 2005, 46, 1067-1075.	3.8	29
108	Hybrid Polymer Particles by Tandem Ring-Opening Metathesis and Atom Transfer Radical Polymerizations in Aqueous Miniemulsion. <i>Macromolecules</i> , 2006, 39, 5589-5591.	4.8	29

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109	Dispersion Polymerization of Styrene in Ethanol-Water Mixture Using Polystyrene-b-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over	4.8	28
110	Two-Dimensional Polymeric Nanomaterials through Cross-linking of Polybutadiene-b-Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.5	28
111	Lithium-Assisted Copolymerization of CO ₂ /Cyclohexene Oxide: A Novel and Straightforward Route to Polycarbonates and Related Block Copolymers. <i>Macromolecules</i> , 2016, 49, 2484-2492.	4.8	28
112	Synthesis and characterization of block copolymers containing poly(tert.butyl acrylate) blocks. <i>Polymer</i> , 1991, 32, 2278-2282.	3.8	27
113	1,4-Polybutadiene-Based Particles Prepared by Aqueous Suspension Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2004, 37, 7619-7627.	4.8	27
114	Self-assembly of poly(ionic liquid) (PIL)-based amphiphilic homopolymers into vesicles and supramolecular structures with dyes and silver nanoparticles. <i>Polymer Chemistry</i> , 2017, 8, 3497-3503.	3.9	26
115	Ionic H-bonding organocatalysts for the ring-opening polymerization of cyclic esters and cyclic carbonates. <i>Progress in Polymer Science</i> , 2022, 125, 101484.	24.7	26
116	Polymacromonomers: Dynamics of Dilute and Nondilute Solutions. <i>Macromolecules</i> , 2005, 38, 2400-2409.	4.8	25
117	Hydrophobic, Hydrophilic, and Amphiphilic Polyglycocarbonates with Linear and Macrocyclic Architectures from Bicyclic Glycocarbonates Derived from CO ₂ and Glucoside. <i>Macromolecules</i> , 2017, 50, 1362-1370.	4.8	25
118	Synthesis of poly(t-butyl acrylate) macromonomers. <i>Polymer</i> , 1990, 31, 967-970.	3.8	24
119	Polyhomologation based on in situ generated boron-thexyl-silaboracyclic initiating sites: a novel strategy towards the synthesis of polyethylene-based complex architectures. <i>Chemical Communications</i> , 2015, 51, 9936-9938.	4.1	24
120	Surfactant-Emulating Amphiphilic Polycarbonates and Other Functional Polycarbonates through Metal-Free Copolymerization of CO ₂ with Ethylene Oxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10370-10380.	6.7	24
121	Sequential functionalization of janus-type dendrimer-like poly(ethylene oxide)s with camptothecin and folic acid. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2839-2849.	2.3	23
122	Polymethylene-Based Copolymers by Polyhomologation or by Its Combination with Controlled/Living and Living Polymerizations. <i>Macromolecular Rapid Communications</i> , 2014, 35, 378-390.	3.9	23
123	MALDI-TOF Analysis of Dendrimer-like Poly(ethylene oxide)s. <i>Macromolecules</i> , 2005, 38, 10609-10613.	4.8	22
124	Bouquet-type Dendrimerlike Poly(ethylene Oxide)s with a Focal Aldehyde and Peripheral Hydroxyls. <i>Biomacromolecules</i> , 2007, 8, 2374-2378.	5.4	22
125	Synthesis of acid-sensitive latices by ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 217-229.	2.3	21
126	All-Polycarbonate Graft Copolymers with Tunable Morphologies by Metal-Free Copolymerization of CO ₂ with Epoxides. <i>Macromolecules</i> , 2021, 54, 6144-6152.	4.8	21

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127	Monodispersed polystyrene latex particles functionalized by the macromonomer technique. II. Application in immunodiagnosis. <i>Polymers for Advanced Technologies</i> , 2001, 12, 494-499.	3.2	20
128	SAXS from Four-Arm Polyelectrolyte Stars in Semi-Dilute Solutions. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 89-97.	2.2	20
129	High Performance Poly(styrene-b-diene-b-styrene) Triblock Copolymers from a Hydrocarbon-Soluble and Additive-Free Dicarbanionic Initiator. <i>Journal of the American Chemical Society</i> , 2006, 128, 8158-8159.	13.7	20
130	Dendritic Carrier Based on PEG: Design and Degradation of Acid-sensitive Dendrimer-like Poly(ethylene Terephthalate) Overlock	3.9	20
131	Poly(vinylidene fluoride)/Polymethylene-Based Block Copolymers and Terpolymers. <i>Macromolecules</i> , 2019, 52, 1976-1984.	4.8	20
132	Synthesis and characterization of high molecular weight poly(tert.butyl acrylate). <i>Polymer Bulletin</i> , 1990, 24, 39-43.	3.3	18
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